

Washburn University Medical Laboratory Science Program
****Prerequisites for Undergraduates/Course Sequence Offerings****

Math & Science 36 hrs.	Course #	Course Name			Prerequisite	Hrs	
	BI 102	Cell Biology	F	SP	None	5	
	BI 255	Physiology	F	SP	BI 102	4	
	BI 301	General Microbiology	F	SP	BI 102 and CH 151	4	
	BI 333	General Genetics	F	SP	BI 102 and CH 151	4	
		OR					
	BI 354	Molecular Biology Lab		SP	BI 201 or 333 or 353	3	
	BI 362	Immunology		SP	BI 301 and 333 or consent of instructor	3	
	CH 151	Fundamentals of Chemistry	F		MA 116 or concurrent enrollment	5	
	CH 152	Fundamentals of Chemistry		SP	CH 151	5	
	CH 340	Organic Chemistry I	F		CH 152	3	
	CHOOSE ONE ADDITIONAL CHEMISTRY CLASS FROM THE FOLLOWING LIST						
	CH 320	Analytical Chemistry	F		CH 152	3	
	CH 341	Organic Chemistry II		SP	CH 340	3	
	CH 350	Biochemistry I	F		CH 340	3	
University Requirements 9 hrs.	MA 116	College Algebra (or higher)	F	SP		3	
	EN 101	Freshman Composition	F	SP		3	
	EN 300	Advanced Composition	F	SP	EN 101	3	
	WU 101	<i>*If applicable</i>					
General Education Requirements 18 hrs.	Social Sciences	1					9
		2					
		3					
	Arts & Humanities	1					9
		2	(AR, MU, TH)				
		3					
Recommended Courses	MA 140	Statistics	F	SP	MA 110, 116, or 123	3	
	CN 150	Public Speaking	F	SP		3	
	BI 305	Parasitology		SP	BI 110	4	
	BI 325	Microbiology of Human Disease			BI 301	5	
	BI 353	Molecular Genetics	F		BI 301 or BI 333	3	
	BI 354	Molecular Biology Lab		SP		3	
	AL 101	Foundations of Health Care	F	SP		3	
	AL 141	Medical Terminology	F	SP		3	
AL 320	Intro to Human Disease	F	SP	BI 250 or 255 or 275 of concurrent	3		
Additional	Required Prerequisite Hours					63	
	Additional Courses to Equal 77 hours					14	
	MLS Program Hours					43	